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**Title:** JP10289708A2: NONAQUEOUS ELECTROLYTE SECONDARY BATT  
MANUFACTURE OF ELECTRODE PLATES OF THE SAME

**Country:** JP Japan

**Kind:** A

**Inventor:** MURAI TETSUYA;  
TSUKAMOTO HISASHI;

**Assignee:** JAPAN STORAGE BATTERY CO LTD  
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**Published / Filed:** 1998-10-27 / 1997-04-11

**Application Number:** JP1997000094026

**IPC Code:** H01M 4/02; H01M 4/04; H01M 10/40;

**Priority Number:** 1997-04-11 JP1997000094026

**Abstract:**

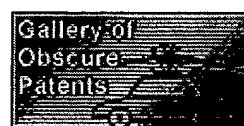
**PROBLEM TO BE SOLVED:** To provide a nonaqueous electrolyte secondary battery which can spread lithium on an entire electrode body uniformly as much as possible and enables large quantification, and a manufacturing method of its electrode plates.

**SOLUTION:** A lithium foil laminated film 50 which holds a metallic lithium foil 52 on a base film 51 is piled on a negative electrode plate 20 and pressurized with passing through between a pair of transcription rolls 53. After pressurization, the base film 51 is peeled off and the negative electrode plate 20, wherein very thin metallic lithium foil 52 is transcribed on the surface of electrode mix 23, is produced. The negative electrode plate 20 is wound together with a positive electrode plate, placing a separator between them to form an electrode body.

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**Family:** None

**Other Abstract Info:** CHEMABS 129(25)333313V CAN129(25)333313V DERABS C99-020193  
DERC99-020193



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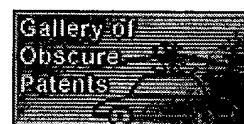
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(11) Publication number:

**10**

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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **09094026**(51) Intl. Cl.: **H01M 4/02 H01M 4/04 H01M**(22) Application date: **11.04.97**

|   |  |
|---|--|
| <p>(30) Priority:</p> <p>(43) Date of application publication: <b>27.10.98</b></p> <p>(84) Designated contracting states:</p> | <p>(71) Applicant: <b>JAPAN STORAGE BAT LTD</b></p> <p>(72) Inventor: <b>MURAI TETSUYA<br/>TSUKAMOTO HISASHI</b></p> <p>(74) Representative:</p> |
|---|--|

**(54) NONAQUEOUS  
ELECTROLYTE  
SECONDARY BATTERY  
AND MANUFACTURE OF  
ELECTRODE PLATES OF  
THE SAME**

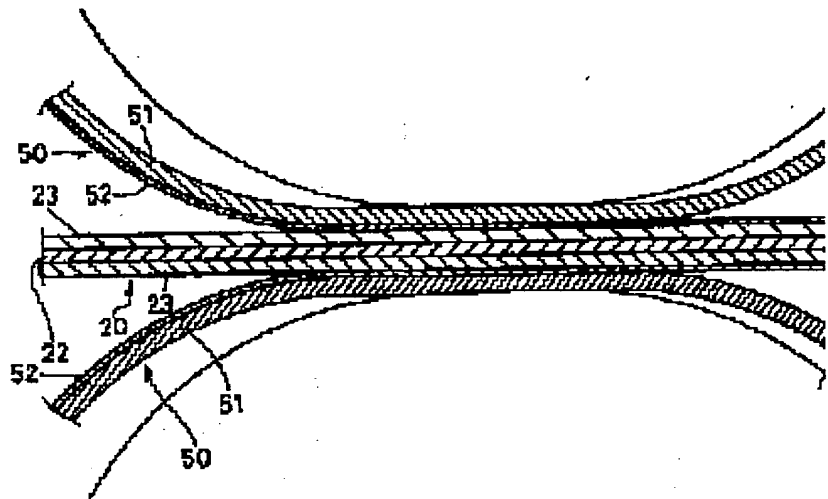
(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a nonaqueous electrolyte secondary battery which can spread lithium on an entire electrode body uniformly as much as possible and enables large quantification, and a manufacturing method of its electrode plates.

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